Ontario

Ministry of
Northern Affairs
and Mines

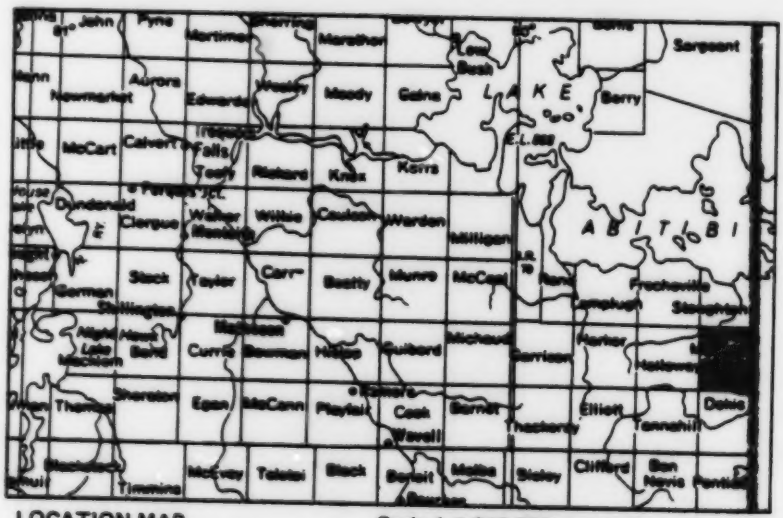
ONTARIO GEOLOGICAL SURVEY
GEOLOGICAL DATA INVENTORY FOLIO

GDIF 273

MARRIOTT TOWNSHIP

DISTRICT OF COCHRANE

Compiled by the staff of
the Resident Geologist's Office
Kirkland Lake



LOCATION MAP

Scale 1:1 013 760 or 1 inch to 16 miles

86-02540/

NTS Number 32 D/5,12

Mining Claim Map Number M.363

This project is part of Operation Black River - Matheson (BRiM) which was funded equally by the Ontario Ministry of Northern Affairs and Mines and the Ontario Ministry of Natural Resources.

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey
1985: Marriott Township, District of Cochrane; Ontario Geological Survey, Geological Data Inventory Folio 273, compiled by the staff of the Resident Geologist's Office, Kirkland Lake, 20p. and 2 maps.

Original Compilation by: Kamal D. Kalicharran and Nick Cox, January 31, 1985

Date	Page Revised	Revised by

Date	Page Revised	Revised by

MARRIOTT TOWNSHIP

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ACCOMPANYING MAPS

Property Location Map - 1 Map
Exploration Data Map - 1 Map
Map Scale 1: 31 680 or 1 inch to ½ mile

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
			LENGTH		
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
			AREA		
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
			VOLUME		
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
			CAPACITY		
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
			MASS		
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	**31.103 476 8**	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	907.184 74	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	1.016 046 908 8	t
			CONCENTRATION		
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	No	NDC
2	Assessment Files Research Office, Toronto	Yes	KDK
3	ODM General Index; 7 volumes	Yes	NDC
4	Catalogue of Airborne Geophysical Surveys (ODM)	No	KDK
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	No	NDC
6	ODM Industrial Mineral Reports	No	NDC
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	No	NDC
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	No	NDC
9	Newspaper Clippings File	No	NDC
10	GSC Index to Publications	Yes	NDC
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	Yes	NDC
12	OGS Index Maps	No	KDK
13	Source Mineral Deposit Records (O.G.S.)	No	KDK
14	Author - Subject Articles File	No	NDC
15	Miscellaneous Papers: ODM & OGS	Yes	NDC
16	ODM Geological Circulars: OGS Study Series	No	NDC
17	ODM Preliminary Reports: ODM Bulletins	No	NDC
18	ODM – OGS Open File Reports	Yes	NDC
19	OGS Northern Ontario Engineering Geology Terrain Studies	No	KDK
20	OGS Aggregate Resources Inventory Papers	No	NDC
21	OGS Mineral Potential Maps	No	KDK

METALS AND MINERALS REFERENCES LIST

△ anh. . . . . .Anhydrite
△ ank. . . . . .Ankerite
△ anna . . . . . Annabergite
△ ap. . . . . .Apatite
△ arg . . . . . Argentite
△ As . . . . . .Arsenic
△ asp . . . . . .Arsenopyrite
△ asb . . . . . .Asbestos
△ ba. . . . . .Barite
△ be. . . . . .Beryl
△ Bi. . . . . .Bismuth
△ bn . . . . . .Bornite
△ bran . . . . . .Brannerite
△ bruc . . . . . .Brucite
△ Cd . . . . . Cadmium
▲ calc. . . . . .Calcite
▲ carb . . . . . .Carbonate
△ cel . . . . . .Celestite
△ cc. . . . . .Chalcocite
△ cp. . . . . .Chalcopyrite
▲ ch. . . . . .Chert
△ clay . . . . . .Clay
△ Co . . . . . Cobalt
△ cob. . . . . Cobaltite
△ cb. . . . . .Columbite
▲ Cu . . . . . .Copper
△ cor . . . . . Corundum
△ dol . . . . . Dolomite
▲ ep. . . . . Epidote
△ ery . . . . . Erythrite
▲ fel . . . . . .Feldspar
△ fl . . . . . .Fluorite (fluorspar)
▲ fu. . . . . .Fuchsite
△ gn. . . . . .Galena
▲ gt. . . . . .Garnet
△ goe . . . . . .Goethite
▲ Au . . . . . Gold
▲ gf. . . . . .Graphite
△ gl . . . . . Gravel
△ gyp. . . . . .Gypsum
▲ hem . . . . . Hematite
△ il . . . . . .Ilmenite
△ Fe . . . . . .Iron
△ IF. . . . . Iron Formation
▲ jas . . . . . Jasper
△ kaol . . . . . .Kaolinite (kaolin)
△ ky . . . . . Kyanite
△ Pb . . . . . Lead
△ lim . . . . . Limonite
△ Li. . . . . Lithium
△ mgst . . . . . .Magnesite
▲ mag . . . . . .Magnetite
△ mc . . . . . .Malachite
△ Mn . . . . . Manganese
△ mb . . . . . .Marble
△ mar. . . . . Marcasite
△ ma . . . . . .Marl
△ mi . . . . . Mica
△ ml . . . . . .Millerite
▲ mo . . . . . Molybdenite
△ Mo . . . . . .Molybdenum
△ mon . . . . . Monazite
△ ne. . . . . Nephelite (nepheline)
△ nc. . . . . .Niccolite
△ Ni. . . . . Nickel
△ Nb . . . . . .Niobium
△ Pd . . . . . .Palladium
△ peat . . . . . .Peat
△ pent . . . . . .Pentlandite
△ Pt. . . . . .Platinum
▲ py . . . . . .Pyrite
△ pyl . . . . . Pyrochlore
△ pyrl . . . . . .Pyrolusite
▲ po . . . . . .Pyrrhotite
▲ q . . . . . .Quartz
▲ qcv . . . . .Quartz carbonate vein
△ ra. . . . . .Radioactive minerals
△ RE . . . . . .Rare Earths
△ sd. . . . . , Sand
△ sgl . . . . . Sand and gravel
△ ss. . . . . .Sandstone
△ scap . . . . . Scapolite
△ shee . . . . . .Scheelite
△ serp . . . . . Serpentine
▲ sh. . . . . .Shale
△ sid . . . . . Siderite
△ si . . . . . .Silica
△ Ag . . . . . .Silver
△ sl . . . . . .Slate
△ sm . . . . . .Smaltite
△ sod. . . . . .Sodalite
△ spec . . . . . .Specularite
△ sp. . . . . .Sphalerite
△ spd. . . . . .Spodumene
△ staur. . . . . .Staurolite
△ stib. . . . . Stibnite
△ st . . . . . .Stone
▲ talc. . . . . .Talc
△ Te . . . . . .Tellurium
△ td. . . . . Tetrahedrite
△ th. . . . . .Thorite
△ Th . . . . . .Thorium
△ thuc . . . . . Thucholite
△ ti . . . . . Titanite
△ Ti. . . . . Titanium
▲ tour . . . . . .Tourmaline
△ trap . . . . . .Trap rock
△ W. . . . . Tungsten
△ uran . . . . . Uraninite
△ U . . . . . .Uranium
△ verm . . . . . .Vermiculite
△ Y . . . . . Yttrium
▲ Zn . . . . . .Zinc
△ zr. . . . . Zircon

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps and drill logs.

MARRIOTT TOWNSHIP

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A	Roy, George Charles	Au		Resident Geologist's assessment files	5 feet at 0.02oz Au/T

GDIF FORM NO. 1

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE KIRKLAND LAKE COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
1	Amax of Canada Ltd. AFRO file 2.5166								82	82										
2	Camflo Mines Ltd. (Roy, G.C.) AFRO file Marriott Tp. 11				69															
3	Canamax Resources Inc. (formerly Amax of Canada Ltd.) AFRO file 63.4262 " " Marriott Tp. 14				83								83		83					
4	Chorzepa, E.			73																
5	Copconda Mines Ltd. AFRO file 63.1380							64, 73				64	64							
6	Cortez Explorations Ltd. AFRO file 63A.37 " " 63.96	47		47								46								
7	Falconbridge Nickel Mines Ltd. AFRO file 2.1341 " " Marriott Tp. 13				73							73								
8	Kenneco Explorations (Canada) Ltd. AFRO file 2.417												71							

GDIF FORM NO. 2

MARRIOTT TOWNSHIP

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE KIRKLAND LAKE COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
9	Labanor Gold Mines Ltd. AFRO file 63.100											46-47								
10	Marriott Mines Ltd.						28 42 51													
11	Mining Corporation of Canada, Limited, The AFRO file 63.23	47			47							45								
12	Neal, H.E. AFRO file 2.7651	84																		
13	Patiño Mining Corp., The AFRO file 63.2968 " " Marriott Tp. 12	71			71				71	71		71	71							
14	St. Joe Canada Inc. AFRO file 2.8019											85								
15	Teck Exploration Co. Ltd.	47			47															
16	Tenendo Mining Corp. AFRO file Marriott Tp. 10			51	51															
17	Whitegate Mining Co. Ltd.							64												

GDIF FORM NO. 2

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
1	Canamax Resources Inc.	010-47-1	08/83	0°	-45°	52.7'	659.5'	py,qcv,calc, hem,smokey q	--
2	" "	010-47-2	09/83	0°	-45°	26.4'	472.4'	ch,py,hem,qcv, mag,talc,calc	--
3	Canamax Resources Inc.	049-04-1	08/83	0°	-45°	47.4'	757.9'	py,po,mag,sh, qcv,carb,calc, hem	--
4	" "	049-04-2†	08/83	0°	-45°	58.4'	482.3'	py,qcv	--
5	" "	049-04-3†	08/83	0°	-45°	17'	521.7'	py,carb,qcv,ep, gf	--
6	" "	049-04-4†	08/83	0°	-45°	37.7'	561'	py,carb,gf,ep, qcv	--
7	" "	049-04-5†	08/83	0°	-45°	96.3'	324.8'	ep,carb	--
8	" "	049-04-6†	08/83†	0°	-45°	33.2'	659.4'	py,carb,qcv,gf talc,ch,hem	--
9	" "	049-04-7†	08/83	180°	-45°	23.3'	502'	py,calc	--
10	" "	049-04-8	09/83	0°	-45°	61.6'	564'	py,ch,gf,qcv, tour,mo,hem	--
11	" "	049-04-9	10/83	0°	-48°	78.7'	649.6'	hem,py,gf,asp po,qcv	--
12	Canamax Resources Inc.	049-02-1†	08/83	0°	-45°	34.2'	485.6'	py,qcv	--
13	" "	049-02-2†	08/83	0°	-45°	21.2'	561'	py,carb,calc jas	--

GDIF FORM NO. 3

† - Core stored at Swastika Drill Core Storage Library

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
14	Canamax Resources Inc.	049-02-3†	11/83	0°	-45°	151.6'	370'	qcv	--
15	" "	049-02-4†	11/83	0°	-45°	91.2'	433'	py,mag,qcv,gf, carb	--
16	" "	049-02-5†	11/83	0°	-45°	119.8'	210.7'	--	--
17	" "	049-02-6†	11/83	0°	-45°	117'	511.9'	py,mag,hem,fu, po,qcv	--
18	" "	049-02-7	12/83	0°	-45°	112.9'	502'	py,qcv,spec,fu	--
19	" "	049-02-8†	12/83	0°	-45°	122'	433'	gf,py,qcv	--
20	Cortez Explorations Ltd.	No.1	07/47	05°	-41°	0'	18'	--	--
21	" "	No.2	07/47	05°	-50°	0'	88'	py	--
22	" "	No.3	07/47	020°	-45°	0'	73'	py,fel	--
23	" "	No.4	07/47	0°	-34°	0'	73'	--	--
24	" "	No.5	07/47	180°	-44°	0'	83'	--	--
25	" "	No.6	08/47	0°	-50°	0'	122'	--	--
26	" "	No.7	08/47	180°	-50°	0'	118'	--	--
27	" "	No.8	08/47	0°	-50°	0'	100'	--	--
28	" "	No.9	08/47	180°	-45°	0'	50'	--	--
29	" "	No.10	08/47	5°	-45°	0'	152'	py,po,calc,ep	--
30	" "	No.11	08/47	020°	-50°	0'	32'	fel	--

GDIF FORM NO. 3

† - Core stored at Swastika Drill Core Storage Library

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
31	Falconbridge Nickel Mines Ltd.	73-1A	11/73	315°	-45°	39'	49'	py,ep	--
32	" "	73-1	11/73	135°	-45°	0'	148'	py,gt,ep,qcv cp	--
33	" "	73-2	11/73	135°	-45°	0'	160'	py,qcv,ep	--
34	" "	73-3A	11/73	315°	-45°	18'	28'	py,gt	--
35	" "	73-3	11/73	135°	-45°	0'	217'	py,gt,ep,qcv, cp	--
36	" "	73-4A	11/73	315°	-45°	63'	63'	--	--
37	" "	73-4	12/73	210°	-45°	7'	104'	py,qcv,ep,gt	--
38	Mining Corp. of Canada Ltd.	DDH#1	10/47	180°	-30°	10'	547'	--	--
39	" "	DDH#2	10/47	0°	-45°	11'	950'	gf	--
40	" "	DDH#3c	10/47	180°	-45°	13'	680'	py	--
41	" "	DDH#4c	10/47	0°	-45°	31'	646'	mag,qcv,gf	--
42	" "	DDH#5a	10/47	180°	-45°	132'	225'	--	--
43	Mining Corp. of Canada Ltd.	DDH#10	--	180°	-35°	46'	448'	qcv	--
44	Patino Mining Corp., The	71-16-6	09/7	1180°	-50°	107'	260'	py,cp,ch,gf calc	Cu (0.08%) Zn, Au
45	Camflo Mines Ltd. (Roy, G.C.)	69-5	06/69	333°	-50°	16'	705'	hem,py,jas,ep	Au(0.02oz/t)
46	"	69-6	06/69	333°	-50°	50'	350'	py,ep,ch,qcv	Au(0.02oz/t)

GDIF FORM NO. 3

† - Core stored at Swastika Drill Core Storage Library

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
47	Teck Exploration Co. Ltd.	DDH#7	--	0°	-50°	85'	750'	qv,py,gf	--
48	" "	DDH#8	--	180°	-45°	40'	643'	qv,gf	--
49	" "	DDH#9	--	180°	-50°	35'	730'	qcv	--
50	Tenendo Mining Corp.	1	05/51	310°	-55°	3.5'	122'	py,qcv	--
51	" "	2	05/51	315°	-50°	8'	115	py	--
52	" "	3	05/51	325°	-70°	13'	130'	py	--

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† - Core stored at Swastika Drill Core Storage Library

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By / For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
1	Sander Geophysics Ltd. Amax of Canada Ltd.	Electromagnetic: (Sander EM3-A single frequency)	213'	N-S	492'
		Magnetic: (Sander NPM-5 proton precession magnetometer)	213'	N-S	492'
13	Questor Surveys Limited Patiño Mining Company, The	Electromagnetic: (Mark V INPUT)	150'	N-S	1/8 mile
		Magnetic:(Barringer AM-101 proton precession magnetometer)	?	N-S	1/8 mile

GDIF FORM NO. 4

MARRIOTT TOWNSHIP

Map Sample Site Reference Number	GEOCHEMICAL SURVEY DATA		By	Reference
	Type of Survey	Analysis For		

GDIF FORM NO. 5

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result

GDIF FORM NO. 6

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office. Kirkland Lake

ODM GENERAL INDEX SEARCH

Words searched: Marriott Tp.
McDiarmid L.
Marriott Mines Ltd.

Index Volume	Listing:	Report Volume	Part	Page
2	Marriott Tp., Coch.			
	see also McDiarmid L.			
	Crystallites in lava, photomicrograph	28	2	21
	Hills	28	2	4
	Name, reason for	28	2	45
	Rocks	28	2	45
	map of, see map 28(a) with 28(2)			
	McDiarmid Lake, Marriott Tp.			
	Length, clear water	28	2	4
	volcanic rocks	28	2	19
	see also map 28(b) with 28(2)			
3	Marriott Tp., Coch.			
	Access	37	3	9
	Rocks	37	3	27
	Marriott Mines Ltd.			
	Copper mining Marriott tp.	37	3	26,34
	Incorporated	37	1	60
	McDiarmid Lake, Marriott Tp.			
	Chalcopyrite	37	3	26,34
	Rocks	37	3	22
5	Marriott Tp., Coch.			
	Access	62	7	3
	Mining claims	62	7	31
	Rocks	62	7	6
	Topography, photo	62	7	5
8	Marriott & Stoughton Tps., Cochrane, Ont.			
	Summary of field work, 1972 by L.S. Jensen	MP 53		107-111

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page

GDIF FORM NO. 8

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		REGIONAL GEOLOGICAL COMPILATION MAPS		
Ginn, R.M.	1964	Timmins - Kirkland Lake Sheet, Cochrane, Sudbury and Timiskaming Dists., Ont. Geol. Compilation Series	ODM Map 2046	1:253,440
Ministry of Natural Resources	1974	Ontario Mineral Map	ODM Map 2310	1:1,584,000
Ministry of Natural Resources, Ontario and Quebec	1984	Lithostratigraphic Map of the Abitibi Subprovince	OGS Map 2484 Que Map DV83-16	1:500,000
Pyke, D.R., Ayres, L.D. & Innes, D.G.	1973	Timmins - Kirkland Lake, Geological Compilation Series, Cochrane, Sudbury and Timiskaming Districts	ODM Map 2205	1:253,440
Revised Compilation by S.B. Lambers & V.G. Milne, Geological Branch, 1976. Original Compilation by L.D. Ayres et al., 1970	1970 -	Ontario Geological Map, East Central Sheet	OGS Map 2393	1:1,013,760
		GEOLOGICAL REPORTS AND MAPS		
Coultard, R.W.	1900	Geologist's report of exploration survey party No.1 p.37-57, in, Surveyor's report of exploration survey party No.1, p.1-51	Ont. Bur. Mines	288p.
Gledhill, T.L.	1925	Lightning river gold area, District of Cochrane, Ontario	ODM v.34, pt.6	p.86-98
Gledhill, T.L.	1929	Ben Nevis, Munro, Kamiskotia, and other base metal areas, Districts of Cochrane and Timiskaming	ODM v.37, pt.3	p.1-52

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		GEOLOGICAL REPORTS AND MAPS (con't)		
Jensen, L.S.	1973	Marriott Township, District of Cochrane	ODM Map P-824	4"=1mi
Jensen, L.S.	1973	No.19 Lightning river area, District of Cochrane	ODM MP56	p.133-138
Jensen, L.S.	1976	Geology of Marriott and Stoughton Townships NTS 32D/5E+12E, Cochrane District, Ontario	ODM Open File Report 5184	
Jensen, L.S.	1978	Geology of Stoughton and Marriott Townships, NTS 32D/5NW, 32D/12SW, Cochrane District, Ontario	OGS Report #173 Map 2390; P-823,4	1/31680; 4"=1mi
Jensen, L.S.	1982	Precambrian Geology of the Lightning Mountain area, NTS 32D/12SE, Lightning River area, Cochrane District, Ontario	OGS Map P-2432	1/15840
Jensen, L.S. & Langford, F.F.	1983	Geology and Petrogenesis of the Archean Abitibi Belt in the Kirkland Lake area	OGS Open File Report 5455	
Knight, C.W., Burrows, A., Hopkins, P.E. & Parsons, A.	1919	Abitibi-Nighthawk gold area	OBM v.28, pt.2	p.1-70
Miller, W.G.	1907	Lake Abitibi gold deposits	OBM v.16, pt.1	p.219-220
Milne,V.G. & Hewitt, D.F.	1972	Summary of field work, 1972	Geological Branch ODM MP. no.53	p.107-111
Ploeger, F. & Campbell, A.	1979	Marriott Township, NTS 32D/5NE+12SE, Cochrane District, Ontario	OGS Map P-888	1/15840
Wilson, W.J.	1901	Western part of the Abitibi region	Can. Geol. Surv. v.14	p.117a-130a

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		JOURNAL ARTICLES, THESES AND TECHNICAL PAPERS		
Baragar, W.R.A.	1968	Major element geochemistry of the Noranda volcanic belt, Quebec-Ontario, Canada	Can. J. Earth Sci. v.5	p.773-790

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages

GDIF FORM NO. 9

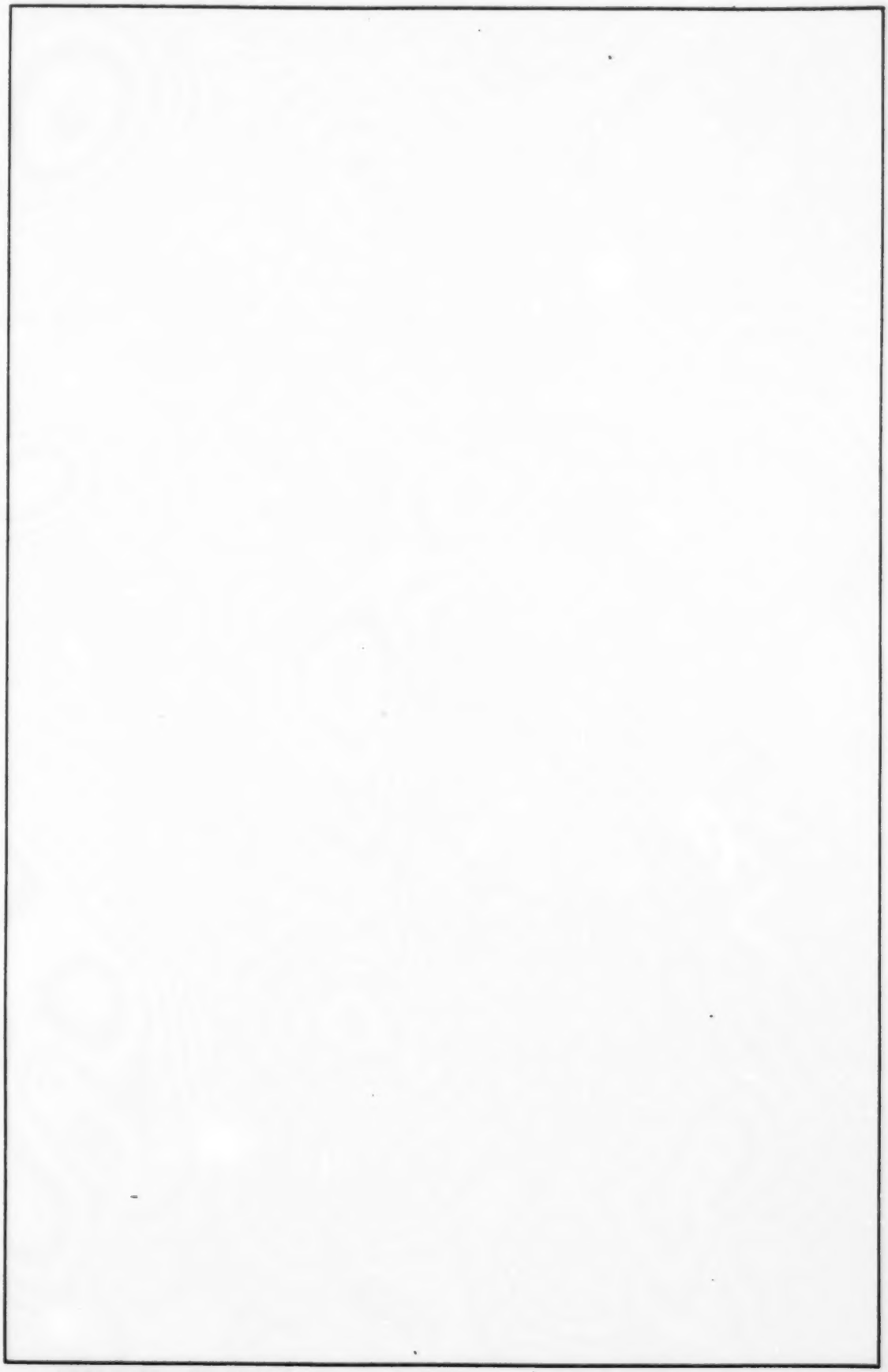
NOTES AND ADDENDA

GSC INDEX TO PUBLICATION

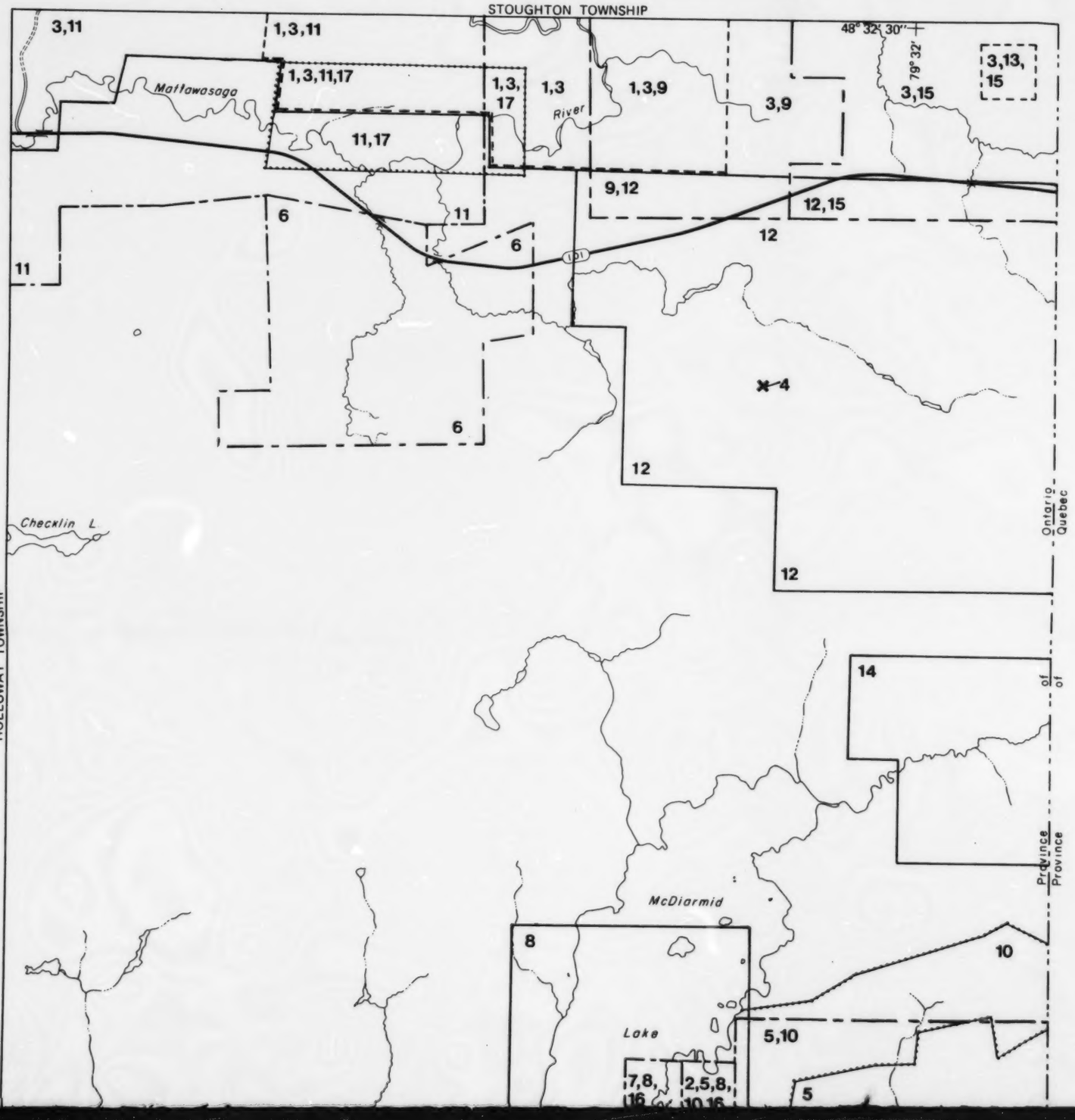
Words searched: Marriott Tp.

Index Volume	Listing:	Report Volume	Part	Page
1927-1950	Marriott Tp. gold deposits	M192		7

GDIF FORM NO. 10



MARRIOTT TOWNSHIP



Ministry of Northern Affairs and Mines

Ontario

René Fontaine
Minister
David Hobbs
Deputy Minister

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 273

(Map 1 of 2)

MARRIOTT TOWNSHIP

DISTRICT OF COCHRANE

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre

ONTARIO GEOLOGICAL SURVEY

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 273

(Map 1 of 2)

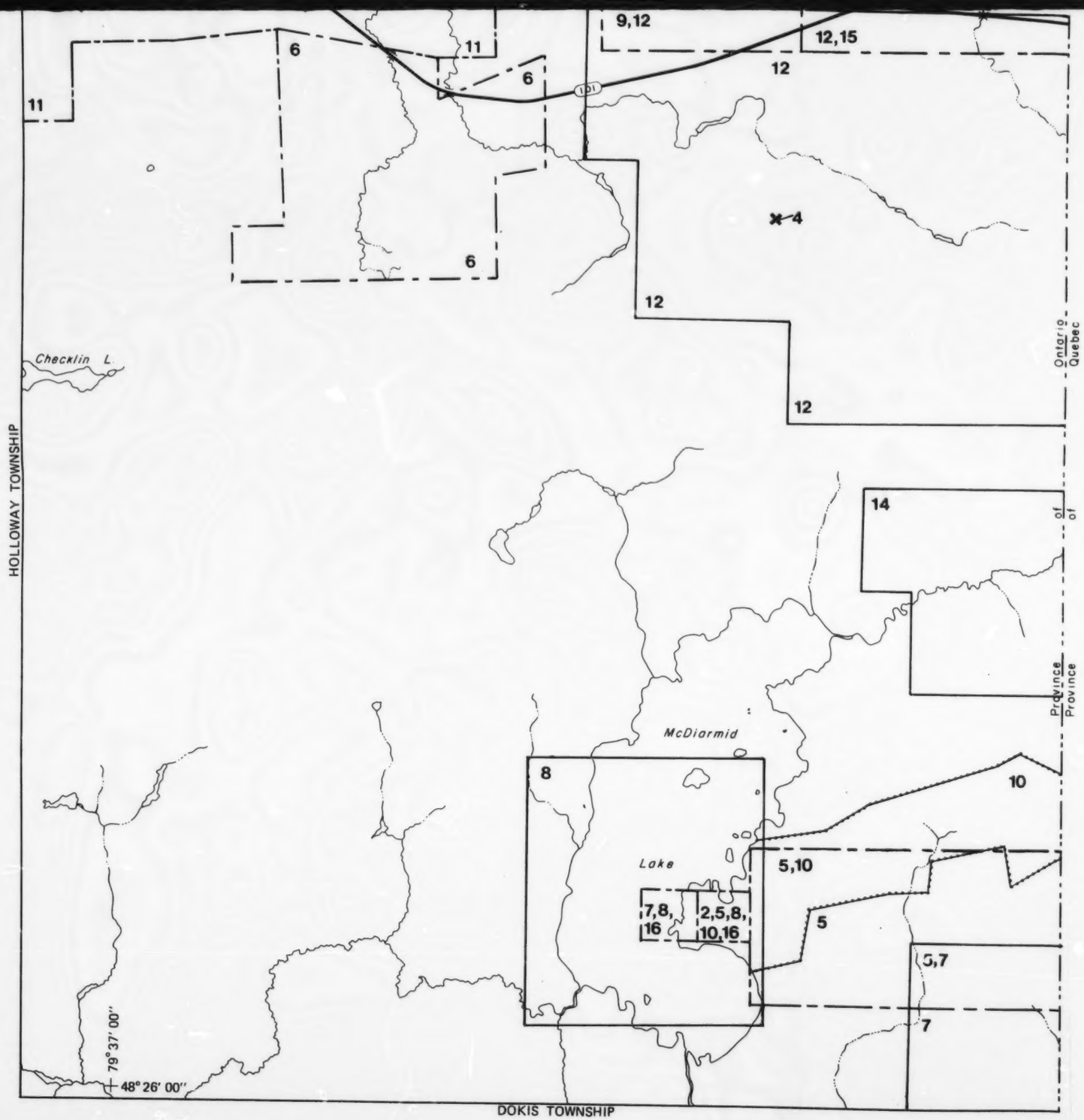
MARRIOTT TOWNSHIP

DISTRICT OF COCHRANE

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre



EXPLORATION DATA FILE AREAS

■ ① ⑥ Reference number is always inside work area outlined. See listing in text pages.

□ x ④ Small area of exploration.

TYPES OF DATA SHOWN ON THIS MAP

GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

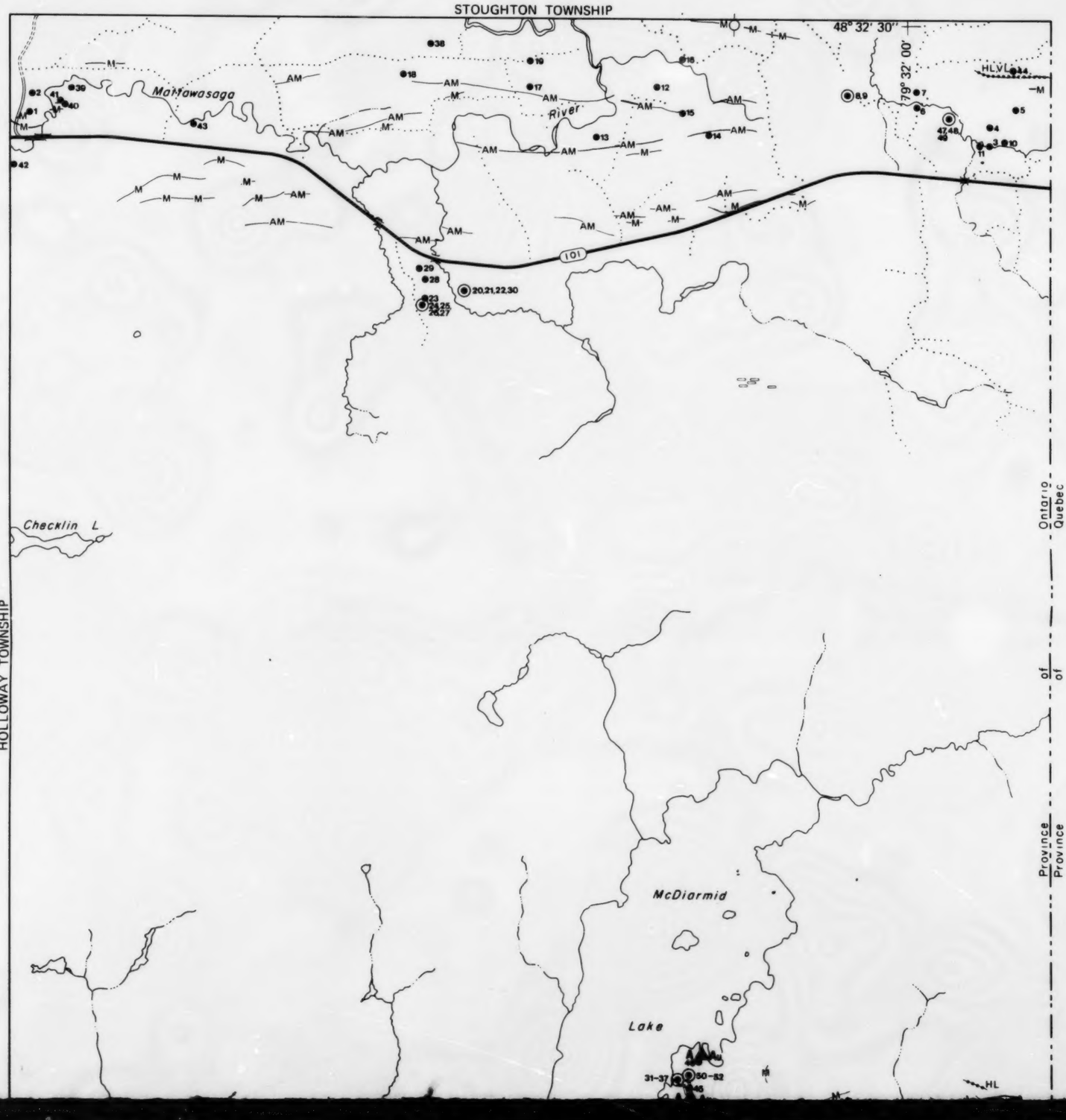
- Geochemical sample site, with reference number
- Area of geochemical sampling, with reference number
- Age dating material sampling site, with reference number

GEOPHYSICAL ANOMALIES

- Airborne Magnetometer Anomaly
- Airborne Electromagnetometer Anomaly
  Length of anomaly along flight line
- Airborne Electromagnetometer Anomaly.
  Location of anomaly along flight line
- Airborne Electromagnetometer Anomaly
  Conductor Axis: definite, probable, possible
- Airborne Radiometric Anomaly
- Ground Magnetometer Anomaly
- Ground Electromagnetometer Anomaly
  (VL - Vertical Loop; HL - Horizontal Loop;
  VLF - Very low freq; Turam; JEM -
  Crone EM - 16)
- Ground Radiometric Anomaly
- Induced Polarization Anomaly
- Self Potential Anomaly
- Audio-frequency magnetometer anomaly
  (total intensity)
- Resistivity Anomaly
- Gravity Anomaly

MISCELLANEOUS DATA

- Trenching, pit
- Rock quarry
- Adit
- Sand and/or gravel pit
- Open pit



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TYPES OF DATA S

Geochemical sample site, with reference number

Ministry of Northern Affairs and Mines

Ontario

René Fontaine
Minister
David Hobbs
Deputy Minister

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 273

(Map **2** of **2**)

MARRIOTT TOWNSHIP

DISTRICT OF COCHRANE

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- Mineral occurrence at surface, with reference letter
- Mineral occurrence with shaft, depth given with reference letter
- Mineral occurrence reported but exact location uncertain, with reference letter
- Mineralized Float with reference letter

DRILL HOLES

- Location of single drill hole, with reference number
- Location of closely spaced group of drill holes, with reference number
- Drill hole, exact location uncertain, with reference number

ONTARIO GEOLOGICAL SURVEY

Geochemical sample site, with reference number

Area of geochemical sampling, with reference number

Age dating material sampling site, with reference number

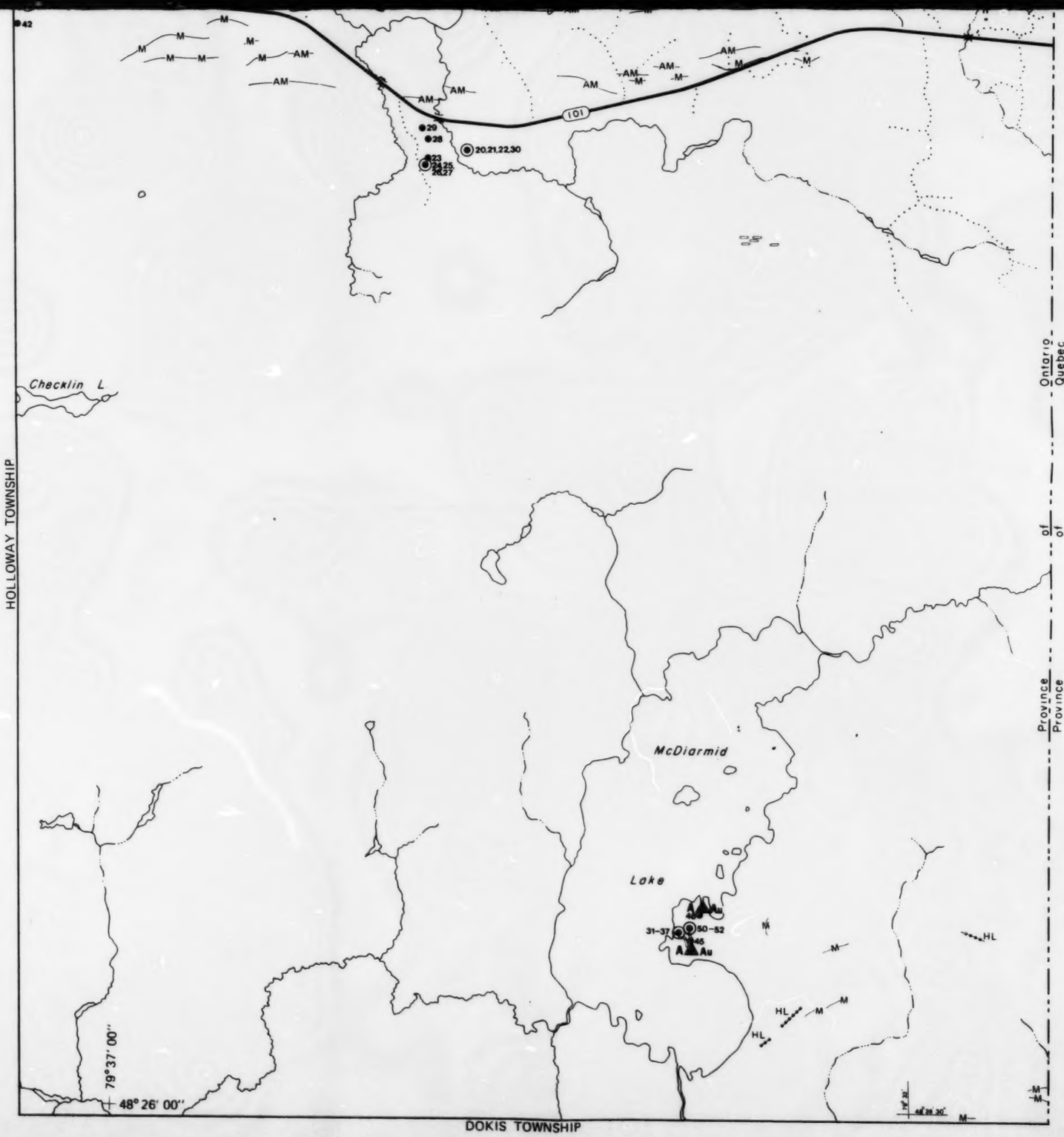
GEOPHYSICAL ANOMALIES

- Airborne Magnetometer Anomaly
- Airborne Electromagnetometer Anomaly Length of anomaly along flight line
- Airborne Electromagnetometer Anomaly. Location of anomaly along flight line
- Airborne Electromagnetometer Anomaly Conductor Axis: definite, probable, possible
- Airborne Radiometric Anomaly
- Ground Magnetometer Anomaly
- Ground Electromagnetometer Anomaly (VL - Vertical Loop; HL - Horizontal Loop; VLF - Very low freq; Turam; JEM - Crone EM - 16)
- Ground Radiometric Anomaly
- Induced Polarization Anomaly
- Self Potential Anomaly
- Audio-frequency magnetometer anomaly (total intensity)
- Resistivity Anomaly
- Gravity Anomaly

MISCELLANEOUS DATA

- Trenching, pit
- Adit
- Open pit
- Rock quarry
- Sand and/or gravel pit

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.



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TYPES OF DATA

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 273

(Map **2** of **2**)

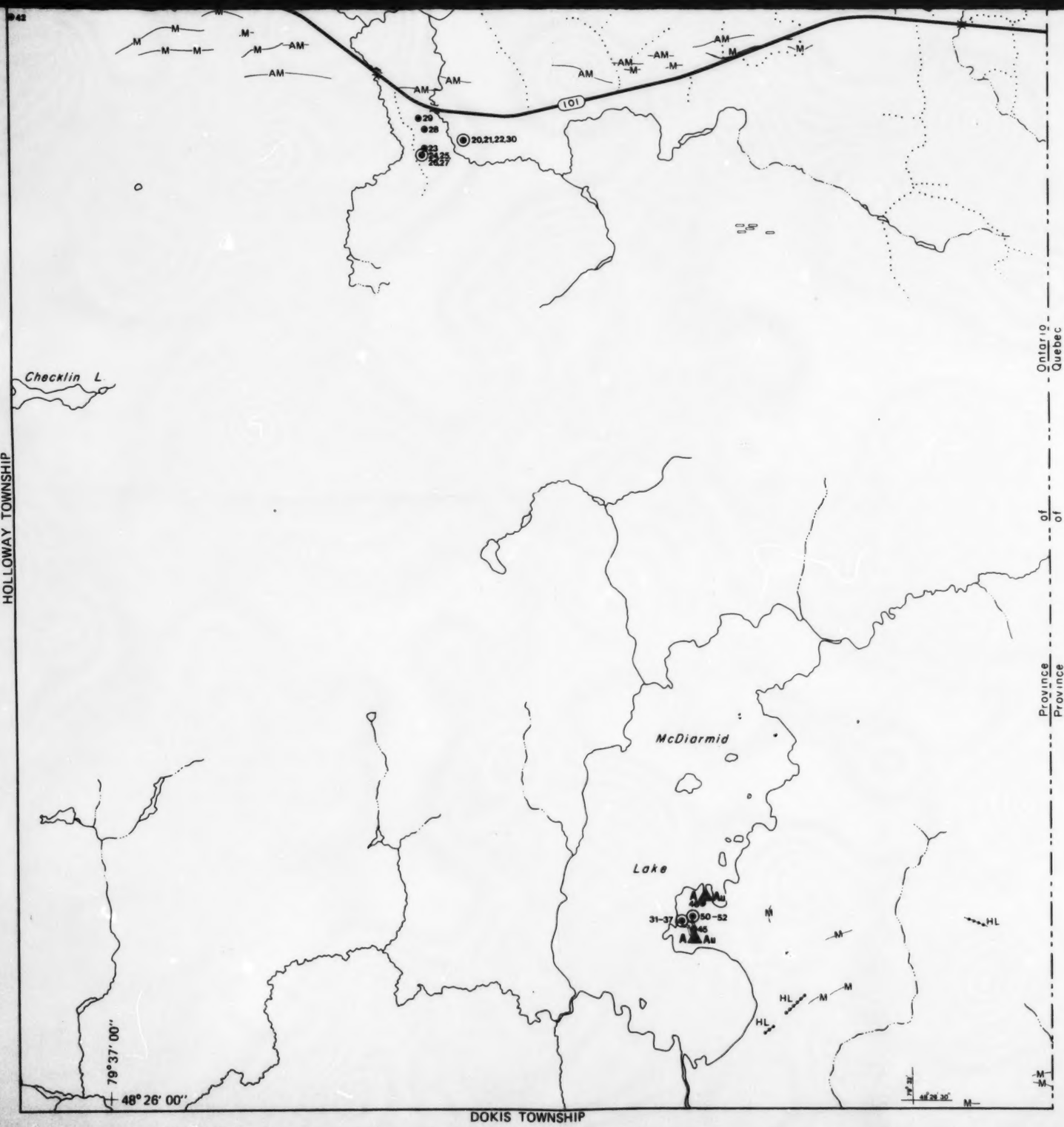
MARRIOTT TOWNSHIP

DISTRICT OF COCHRANE

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre



GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- ■ cp A. — Mineral occurrence at surface, with reference letter
- □ Au A. 84' — Mineral occurrence with shaft, depth given with reference letter
- □ Ag ? A. — Mineral occurrence reported but exact location uncertain, with reference letter
- □ cp A. — Mineralized Float with reference letter

DRILL HOLES

- ■ ●² — Location of single drill hole, with reference number
- ■ ◉² — Location of closely spaced group of drill holes, with reference number
- □ (?)² — Drill hole, exact location uncertain, with reference number.
- □ ◡ — Property with underground drill holes in this general area, with reference number
- □ ○² — Property with drill holes which have not been plotted on map, with reference number
- □ ⊕² — Reverse Circulation Drill Hole; Churn drilling, with reference number

pit

OTS 273